

SEQUENCE LISTING:

In accordance with 37 C.F.R. §§ 1.77(a)(15) and 1.821(c) and (g), please enter the Sequence Listing (numbered pages 1-23), enclosed herewith, into the instant application.

REMARKS

The specification has been amended pursuant to 37 C.F.R. § 1.821(d) to incorporate the sequence identifiers corresponding to the Sequence Listing submitted concurrently herewith. The incorporation of the sequence identifiers introduces no new matter.

Additionally, the specification has been amended to correct minor typographical or editorial errors. Specifically, the typographical and editorial error at page 33, line 10 regarding the figures has been corrected to bring this passage into conformity with the rest of the application. Support for the correct figure references can be found in Section 4, at page 12, lines 18-30; throughout the text of Section 5.4.1, including in Table 1, at page 36; and in Figures 1-5 themselves.

In addition, a minor typographical error at page 133, line 35 regarding the date of the cited reference has been corrected.

The correction of these typographical and editorial errors introduces no new matter.

Claims 70-96 are currently pending. Claims 1-69 have been canceled without prejudice to Applicant's right to pursue the subject matter of these claims in this or other applications.

Claims 70-96 have been added to more particularly point out and distinctly claim that which the Applicant regards as the invention. The subject matter of Claims 70-96 is fully supported in the specification and claims, as filed. No new matter has been introduced.

Specifically, support for Claims 72, 73, 75, 76, 91, 92, 94, and 95 with respect to the hybridization conditions, including both highly and moderately stringent conditions, can be found, for example, at page 37, line 25 through page 38, line 12.

Support for Claims 73, 76, 92, and 95 with respect to differential expression can be found throughout the specification, including, for example, page 106, lines 26-28.

Support for Claims 74, 94, and 95, with respect to the nucleotide residue numbers of the fchd605 polypeptide coding region, can be found, for example, in the specification at page 12, lines 27-28, and at page 118, lines 7-9; in FIG. 5; and in the Sequence Listing (SEQ ID NOS: 9 and 10) submitted concurrently herewith.

Support for Claim 78, with respect to the polynucleotide being cDNA, can be found throughout the specification, including, for example, at page 34, lines 5-12; and page 39, line 20 through page 42, line 11.

Support for Claim 79, with respect to the polynucleotide being genomic DNA, can be found, for example, at page 34, lines 5-12; and page 41, lines 19-30.

Support for Claim 80, with respect to the polynucleotide being RNA, can be found, for example, at page 21, lines 20-32; and throughout Section 5.6.1.1.

Support for Claim 81, with respect to the polynucleotide comprising a label, can be found, for example, at page 113, line 28 through page 114, line 5.

Support for Claim 82, with respect to polynucleotide vectors, can be found, for example, throughout section 5.4.2; at page 112, lines 19-23; and in Claims 4 and 5 as originally filed.

Support for Claim 83, with respect to a nucleotide regulatory element, can be found, for example, at page 38, line 33 through page 39, line 8.

Support for Claims 84 and 85, with respect to nucleotide sequences and regulatory elements exogenous to the polynucleotide, can be found, for example, at page 46, line 27 through page 47, line 10.

Support for Claim 86 with respect to the host cell being prokaryotic, can be found, for example, at page 44, lines 14-18; and page 44, line 36 through page 45 line 23.

Support for Claim 87, with respect to the host cell being eukaryotic, can be found, for example, at page 44, lines 18-35.

Support for Claims 88 and 89 can be found, for example, throughout Section 5.4.2.

Applicant respectfully requests the entry of the Sequence Listing, submitted herewith, and the foregoing amendments and remarks into in the file of the instant application.

Respectfully submitted,

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